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9-302

Attorney Docket No.: HA-86 (HAL-ID 167)

Applicant: John G. N. HENDERSON and Carl SCARPA

Serial No.: 10/020,703

Filing Date: November 30, 2001

Title: STEERABLE ANTENNA AND RECEIVER INTERFACE FOR TERRESTRIAL BROADCAST

Examiner: Not yet assigned

Group Art Unit: 2821



Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R:

Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references is enclosed.

The applicants preserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicant assumes that this Information Disclosure Statement should be considered under 37 C.F.R.

§§ 1.97(b)(3). Accordingly, it is believed that No fee is due.

09/19/2002 WABDELRI 00000049 501049 10020703  
01 FC:126 180.00 CH

If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge the 37 C.F.R. § 1.17(p) fee of \$180.00 to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

Dated: September 11, 2002

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**CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)**

I hereby certify that this correspondence is being deposited on **September 11, 2002** with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Michael P. Straub  
Michael P. Straub

36,941  
Reg. No.

SEP 17 2002

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(use as many sheets as necessary)*

Application Number: 10/020,703  
Filing Date: November 30, 2001  
First Named Inventor: John G. N. HENDERSON  
Group Art Unit: 2821  
Examiner Name: Not yet assigned  
Attorney Docket No.: HA-86 (HAL-ID 167)

Sheet	1	of	2
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup> Number <sup>4</sup>				
	AH	WO 01/28037 A1	April 19, 2001	Masenten et al.		
	AI	WO 01/39320 A1	May 31, 2001	Reudink et al.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

SEP 17 2002

U.S. Department of Commerce  
Patent and Trademark Office*Complete if Known***INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Application Number: **10/020,703**  
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 Group Art Unit: **2821**  
 Examiner Name: **Not yet assigned**  
 Attorney Docket No.: **HA-86 (HAL-ID 167)**

Sheet

**2**

of

**2****OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source	T <sup>2</sup>
	AJ	K. WONG et al., "Adaptive Antennas at the Mobile and Base Stations in an OFDM/TDMA System", IEEE Transactions on Communications, Vol. 49, No. 1, pp 195-206, (January 2001)	
	AK	Draft EIA/CEA-8xx Antenna Control Interface; Document Number: 8XXR0v8.pdf (PNXXX), (9 pages in total), September 20, 2001.	
	AL	M. WUTERSPAUGH, "R-4 WG4 Smart Antenna Interface presentation", pp 1-16, November 9, 2001	

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